



Illinois Environmental Protection Agency • P. O. Box 19276, Springfield, IL 62794-9276

217/782-6762

Refer to: 1630450001 -- St. Clair County
East St. Louis/Milam (SCA) Landfill
Permit Nos. 1974-13-DE and 1974-13-OP
Supplemental Permit No. 1989-006-SP
Log No. 1989-006
Permit File

July 17, 1989
Revised August 4, 1989

US EPA RECORDS CENTER REGION 5



Milam Sanitary Landfill
A Waste Management Company
ATTN: Glen A. O'Bryan, District Engineer
Post Office Box 637
East St. Louis, Illinois 62202

Dear Mr. O'Bryan:

Supplemental permit is hereby granted to Waste Management of Illinois, Inc. (WMII) to modify the development and operation of Milam Landfill all in accordance with the plans prepared by WMII. Final plans, specifications, application and supporting documents as submitted and approved shall constitute part of this permit and are identified on the records of the Illinois Environmental Protection Agency, Division of Land Pollution Control by the permit number(s) and log number(s) designated in the heading above.

Specifically, this supplemental permit satisfies Condition 2 of Permit No. 1988-163-SP and thereby modifies the previously issued permits for this site by:

1. Approving the installation of one additional leachate extraction well and the relocation of another leachate extraction well as recommended by the Evaluation of Leachate Reduction Program (Warzyn Project No. 6018D);
2. Approving the procedures for evaluating the effectiveness of the remedial actions proposed in the Evaluation for Remedial Activities prepared by Waste Management of Illinois, Inc. (WMII);
3. Accepting the recommendations of the Feasibility Study [for the] Old Barrel Area (Warzyn Project No. 60531) which entail the continued pumping of the leachate extraction wells;
4. Accepting the Final Cover Certification [for] New Milam prepared by Hurst Rosche;
5. Accepting the demonstration, that the proposed source of final cover contains an adequate volume of suitable soil, made in the Soil Quantification report by Hurst Roche; and



6. Accepting the Financial Assurance Documents submitted by WMII on March 22, 1989 covering the current closure/post-closure care cost estimates.

The permit is issued subject to the standard conditions attached hereto and incorporated herein by reference and further subject to the following special conditions:

1. The procedures approved by this permit for evaluating the effectiveness of the remedial actions include a quarterly report requirement. The report for the first quarter of 1989 entitled Evaluation for Remedial Activities has already been received. Future quarter reports shall have the same due dates as the groundwater monitoring results described in Attachment A of this letter. Thus, the report for the second quarter of 1989 shall be due October 15, 1989, the report for the third quarter of 1989 shall be due by January 15, 1990, etc.
2. By December 31, 1990, all areas of Old Milam (Phase I, II and III) shall have final cover and vegetative layer applied to the side slopes and a clay cap and flexible membrane across the top as described in Permit No. 1988-163-SP.
3. The portion of Permit No. 1988-163-SP, allowing a vertical expansion in the Old Milam area of the facility, is for development only. An operating permit must be obtained prior to disposal of waste in this area.
4. The areas at Old Milam which will not be capped with the separation barrier must be stripped, regraded, capped and certified in accordance with Permit No. 1988-163-SP before the operating permit is issued. Capping will follow the development sequence shown in Drawing 60180-14, Vol. I of the May 1988 application. The phase lines shown on that drawing shall be extended to the creek bed on the east side and to the property boundary on the west of the landfill. The capping in each phase shall be completed before the operating permit is issued for that phase.
5. The closure and post-closure plan cost estimates and financial assurance instruments dated May 9, 1988 which were received by the Agency on May 9, 1988 are hereby approved in accordance with 35 Ill. Adm. Code, Subtitle G, Part 807.
6. The operator shall notify the Agency within 30 days after receiving the final volume of waste.
7. The operator shall initiate implementation of the closure plan within 30 days after the site receives its final volume of waste.
8. The operator shall not file any application to modify the closure plan less than 180 days prior to receipt of the final volume of waste.



9. Financial assurance shall be maintained by the operator in accordance with 35 Ill. Adm. Code, Subtitle G, Part 807, Subpart F in an amount equal to the current cost estimate for closure and post-closure care.
10. The operator shall file revised cost estimates for closure and post-closure care at least every two years in accordance with 35 Ill. Adm. Code, Subtitle G, Part 807, Subpart F. The next revised cost estimates are due on or before September 6, 1990.
11. This permit is subject to review and modification by the Agency as deemed necessary to fulfill the intent and purpose of the Environmental Protection Act, and all applicable environmental rules and regulations.
12. This permit is issued with the expressed understanding that no process discharge to Waters of the State or to a sanitary sewer will occur from these facilities except as allowed by Permit No. 1986-HB-0021 issued by IEPA's Division of Water Pollution Control. If such discharge occurs, additional or alternate facilities shall be provided. The construction of such additional or alternate facilities may be started until a permit for their construction has been issued by the Agency.
13. The Agency reserves the right to require the installation and monitoring of a ground water monitoring system, to require analyses for certain parameters and to alter parameters as necessary to fulfill the intent and purpose of the Environmental Protection Act.
14. Any modification to the facility shall be the subject of an application for supplemental permit for site modification submitted to this Agency.
15. Permittee shall notify the Agency of any changes from the information submitted to the Agency in its application for a developmental and operating permit for this site. Permittee shall notify the Agency of any changes in the names or addresses of both beneficial and legal titleholders to the herein-permitted site. Such notification shall be made in writing within fifteen (15) days of such change and shall include the name or names of any parties in interest and the address of their place of abode; or, if a corporation, the name and address of its registered agent.
16. Your groundwater monitoring program is hereby approved in accordance with Attachment A and Attachment B of this letter and is subject to the conditions contained therein. This groundwater monitoring program supersedes and replaces all past monitoring programs.
17. Groundwater quality records shall be maintained at the office of the site operator and shall be reviewed quarterly. A groundwater quality report shall be submitted quarterly. If the owner/operator or the Agency's Division of Land Pollution Control determines that adverse trends are



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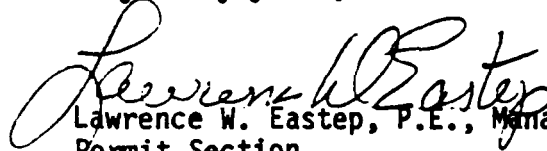
developing, further investigation is to be performed. If corrective action becomes necessary, a plan is to be developed by the operator and submitted to the Permit Section, Division of Land Pollution Control for approval.

18. Site surface drainage, during development, during operation and after the site is closed, shall be such that no adverse effects are encountered by adjacent property owners.
19. The best available technology (mufflers, berms and other sound shielding devices) shall be employed to minimize equipment noise impacts on property adjacent to the site during both development and operation.
20. This Agency reserves the right to require installation of additional monitoring devices, to alter the selection of parameters to be analyzed and to alter monitoring frequencies as may be necessary to fulfill the intent of the Environmental Protection Act.


The original and two (2) copies of all certifications, logs or reports and three (3) copies of groundwater monitoring chemical analysis forms which are required to be submitted to the Agency by the permittee should be mailed to the following address:

Illinois Environmental Protection Agency
Compliance Section
Technical Compliance Unit
Division of Land Pollution Control -- #24
2200 Churchill Road
Post Office Box 19276
Springfield, Illinois 62794-9276

Very truly yours,


Lawrence W. Eastep, P.E., Manager
Permit Section
Division of Land Pollution Control

LWE:CJL:rlc/2753k,44-47

cc:  Division File
Southern Region
Bill Child
Larry Eastep
Harry Chappel
Ed Bakowski
Kenn Liss
Robert W. Mueller, Assistant Attorney General